

BEST AVAILABLE COPY

BEST AVAILABLE COPY

Bereskin & Parr

INTELLECTUAL PROPERTY LAW

December 17, 2004

Philip C. Mendes da Costa
B.Sc. (Chem. Eng.), LL.B.
416 957 1695 pmdcosta@bereskinparr.com

Your Reference: 10/816,840
Our Reference: 12811-384/PMdC

**INFORMATION DISCLOSURE
STATEMENT UNDER CFR.1.56 and CFR 1.97(c)(2)**

The Commissioner of Patents
and Trademarks
Washington, D.C.
U.S.A 20231

Dear Sir:

Re: **United States Patent Application No. 10/816,840**
Filed April 5, 2004
For: AIR FLOW PASSAGE FOR A VACUUM CLEANER
Applicant: Conrad

In accordance with 37 CFR 1.97 and 1.98, and in recognition of the duty of disclosure set forth in 37 CFR 1.56, applicant hereby submits an Information Disclosure Statement including (1) a listing of patents and other publications of which applicant is aware on form PTO-1449; (2) a copy of each listed item.

In accordance with 37 CFR 1.98(c), where two or more patents or publications are merely cumulative, a copy of just one of these patents or publications is enclosed. Alternatively, where one such patent or publication is already of record, no further cumulative patents or publications are enclosed.

Pursuant to 37 CFR 1.98(d), the Examiner is referred to the parent case, namely United States Patent No. 6,737,873 for a copy of the references.

This Information Disclosure Statement is filed subsequent to the issuance of the first Office Action but prior to the issuance of either a Final Action or a Notice of Allowance.

12/2004 HNGUYEN1 00000102 022095 10816840

03 1806 180.00 DA

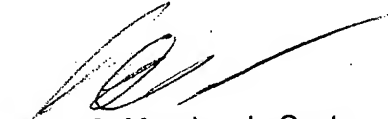
Scotia Plaza, 40 King Street West, 40th Floor, Toronto, Ontario, Canada M5H 3Y2
Tel: 416.364.7311 Fax: 416.361.1398 www.bereskinparr.com

TORONTO MISSISSAUGA WATERLOO

Please charge the required government fee of \$180.00 to our deposit account #02-2095. Please deduct any additional fees which may be required or remit any excess fees, to our deposit account no. 02-2095.

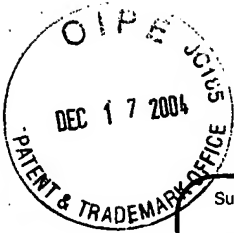
In view of the forgoing, it is respectfully submitted that the Information Disclosure Statement should be considered at this time by the Examiner.

Respectfully submitted,



Philip C. Mendes da Costa
Registration No. 33,106
/kp
Encl





Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

5

Complete if Known

Application Number	10/816,840
Filing Date	April 5, 2004
First Named Inventor	Conrad
Art Unit	1724
Examiner Name	Robert A. Hopkins
Attorney Docket Number	12811-384/PMdC

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	1.	US- 1,023,082	Apr., 1912	Kluge	
	2.	US- 1,127,896	Feb., 1915	Keller	
	3.	US- 1,369,939	Mar., 1921	Shaffer	
	4.	US- 1,752,231	Mar., 1930	Clarkson	
	5.	US- 1,759,947	May., 1930	Lee	
	6.	US- 1,798,510	Mar., 1931	Winkslow et al.	
	7.	US- 1,826,798	Oct., 1931	Lee	
	8.	US- 1,897,144	Feb., 1933	Prouty	
	9.	US- 2,014,287	Oct., 1935	Newman	
	10.	US- 2,143,421	Jan., 1939	Loehr et al.	
	11.	US- 2,171,248	Sep., 1939	Van Berkel	
	12.	US- 2,392,872	Jan., 1946	Wolfe	
	13.	US- 2,397,872	Apr., 1946	Kovacs	
	14.	US- 2,397,980	Apr., 1946	Petri	
	15.	US- 2,402,845	Jun., 1946	Rodman	
	16.	US- 2,405,625	Aug., 1946	Whiton et al.	
	17.	US- 2,608,268	Aug., 1952	Gerber	
	18.	US- 2,681,124	Jun., 1954	Van der Kolk	
	19.	US- 2,822,060	Feb., 1958	Udovich	
	20.	US- 2,993,223	Jul., 1961	Krammes	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	1.	1042812	Sep., 1983	SU.		
	2.	148023	Mar., 1961	SU.		
	3.	2104136	Jun., 1994	CA.		
	4.	52195	Sep., 1963	DK.		
	5.	54488	May., 1985	CA.		
	6.	69708	Jan., 1949	DK.		
	7.	762070	Dec., 1950	GB.		
	8.	DE 195 06 506	08-96			
	9.	DE 196 50 407	06-98			

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

5

Complete if Known

Application Number	10/816,840
Filing Date	April 5, 2004
First Named Inventor	Conrad
Art Unit	1724
Examiner Name	Robert A. Hopkins
Attorney Docket Number	12811-384/PMdC

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	21.	US- 3,171,807	Mar., 1965	NeumanG.E.	
	22.	US- 3,171,807	Mar., 1965	Neuman	
	23.	US- 3,200,568	Aug., 1965	McNeil	
	24.	US- 3,235,090	Feb., 1966	Bose et al.	
	25.	US- 3,283,480	Nov., 1966	Szego	
	26.	US- 3,320,727	May., 1967	Farley et al.	
	27.	US- 3,398,513	Aug., 1968	Thompson	
	28.	US- 3,425,192	Feb., 1969	Davis	
	29.	US- 3,501,014	Mar., 1970	Fitch, Jr. et al.	
	30.	US- 3,535,854	Oct., 1970	Taylor	
	31.	US- 3,853,518	Dec., 1974	Tu et al.	
	32.	US- 3,877,902	Apr., 1975	Eriksson et al.	
	33.	US- 3,925,045	Dec., 1975	Cheng	
	34.	US- 3,955,236	May., 1976	Mekelburg	
	35.	US- 4,005,998	Feb., 1977	Gorman	
	36.	US- 4,141,698	Feb., 1979	Kihlstedt et al.	
	37.	US- 4,162,149	Jul., 1979	Mekelburg	
	38.	US- 4,172,710	Oct., 1979	Van Der Molen	
	39.	US- 4,198,290	Apr., 1980	Summers	
	40.	US- 4,251,241	Feb., 1981	Bothun	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	10.	DE 19650407	06-10-98	Kevin Business Corp.		
	11.	EP 0 815 788	01-98			
	12.	EP 0815788	01-07-98	Candy Spa		
	13.	FR 1,094,603	05-23-55	Martelliere F.		
	14.	FR 1.094.603	12-54			
	15.	GB 2 305 623	April, 1997	GB.		
	16.	JP 59-49817	03-84			
	17.	WO 10452-27	01-00			
	18.	WO 98/02080	Jan., 1998	WO.		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3 of 5

Complete if Known

Application Number	10/816,840
Filing Date	April 5, 2004
First Named Inventor	Conrad
Art Unit	1724
Examiner Name	Robert A. Hopkins
Attorney Docket Number	12811-384/PMdC

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	41.	US- 4,251,368	Feb., 1981	Colman et al.	
	42.	US- 4,268,288	May., 1981	Coombs	
	43.	US- 4,326,862	Apr., 1982	Suzuki	
	44.	US- 4,345,572	Aug., 1982	Suzuki et al.	
	45.	US- 4,352,681	Oct., 1982	Dietz	
	46.	US- 4,364,146	Dec., 1982	Bowerman L.E.	
	47.	US- 4,364,146	Dec., 1982	Bowerman	
	48.	US- 4,373,228	Feb., 1983	Dyson	
	49.	US- 4,377,882	Mar., 1983	Dyson	
	50.	US- 4,390,426	Jun., 1983	Vicard	
	51.	US- 4,398,928	Aug., 1983	Kunsagi	
	52.	US- 4,443,234	Apr., 1984	Carlsson	
	53.	US- 4,571,772	Feb., 1986	Dyson	
	54.	US- 4,573,236	Mar., 1986	Dyson	
	55.	US- 4,588,423	May., 1986	Gillingham et al.	
	56.	US- 4,593,429	June, 1996	Dyson J	
	57.	US- 4,593,429	Jun., 1986	Dyson	
	58.	US- 4,643,748	Feb., 1987	Dyson	
	59.	US- 4,662,909	May., 1987	Durr	
	60.	US- 4,756,729	Jul., 1988	Brunnmair et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	19.	WO 98/10691	Mar., 1998	WO.		
	20.	WO 98/23381	Jun., 1998	WO.		
	21.	WO 98/27857	Jul., 1998	WO.		
	22.	WO 98/33424	Aug., 1998	WO.		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 4

of

5

Complete if Known

Application Number	10/816,840
Filing Date	April 5, 2004
First Named Inventor	Conrad
Art Unit	1724
Examiner Name	Robert A. Hopkins
Attorney Docket Number	12811-384/PMdC

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	61.	US- 4,826,515	May., 1989	Dyson	
	62.	US- 4,853,008	Aug., 1989	Dyson	
	63.	US- 4,853,011	Aug., 1989	Dyson	
	64.	US- 450,372	Apr., 1891	Morse	
	65.	US- 5,062,870	Nov., 1991	Dyson	
	66.	US- 5,078,761	Jan., 1992	Dyson	
	67.	US- 5,090,976	Feb., 1992	Dyson	
	68.	US- 5,101,532	Apr., 1992	Dyson et al.	
	69.	US- 5,145,499	Sep., 1992	Dyson	
	70.	US- 5,160,356	Nov., 1992	Dyson	
	71.	US- 5,227,061	July, 1993	Bedsole R.D.	
	72.	US- 5,227,061	July, 1993	Bedsole	
	73.	US- 5,254,147	Oct., 1993	Finke	
	74.	US- 5,267,371	Dec., 1993	Soler et al.	
	75.	US- 5,307,538	May., 1994	Rench et al.	
	76.	US- 5,350,432	Sep., 1994	Lee	
	77.	US- 5,525,396	June, 1996	Rudolph et al	
	78.	US- 5,558,697	Sep., 1996	Dyson et al.	
	79.	US- 5,591,253	Jan., 1997	Altman et al.	
	80.	US- 5,755,007	May., 1998	Dyson	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/816,840
				Filing Date	April 5, 2004
				First Named Inventor	Conrad
				Art Unit	1724
				Examiner Name	Robert A. Hopkins
				Attorney Docket Number	12811-384/PMdC
Sheet	5	of	5		

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). * See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. * Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.